	Complete if known	
	Application Number: 09/980,217	
	Filing Date: May 6, 2002	
	First Named Inventor: Peter Francis Leadlay, et al.	
	Group Art Unit: 1652	
Examiner Name: Kathleen M. Kerr		
SHEET 1 OF 2		Attorney Docket Number: 0380-P02746USO


UNITED STATES PATENT DOCUMENTS				
EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

FOREIGN PATENT DOCUMENTS					
EXAMINER'S INITIALS	CITE NO.	DOCUMENT NUMBER	COUNTRY OR REGION	DATE OF PUBLICATION MM-DD-YYYY	FIRST NAMED INVENTOR OR APPLICANT
KK	B1	WO 98/01546	PCT	01-15-1998	Biotica Technology Limited
KK	B2	WO 98/49315	PCT	11-05-1998	Kosan Biosciences, Inc.
KK	B3	WO 00/00500	PCT	01-06-2000	Biotica Technology Limited


OTHER PRIOR ART - NON-PATENT DOCUMENTS		
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
KK	C1	DAY, L.E., et al., "Biosynthesis of Monensin", Antimicrobial Agents Chemother., 4: 410-414 (1973).
KK	C2	CANE, D.E., et al., "Polyether biosynthesis. Origin of the oxygen atoms of Monensin A", J. Am. Chem. Soc., 103: 5962-5965 (1981).
	C3	CANE, D.E., et al., "Polyether biosynthesis 2. Origin of the oxygen atoms of Monensin A", J. Am. Chem. Soc., 104: 7274-7281 (1982).
	C4	AJAZ, A.A., et al., "The utilization of oxygen atoms from molecular oxygen during the biosynthesis of Monensin-A", J. Chem. Soc. Chem. Commun., 12: 679-680 (1983).
	C5	WESTLEY, J.W., et al., "Biosynthesis of Lasalocid. II. X-Ray analysis of a naturally occurring isomer of Lasalocid A", J. Antibiot., 27: 597-604 (1974).
	C6	SOOD, G.R., et al., "Biosynthesis of the Polyether Antibiotic Monensin-A. Incorporation of [2- ² H ₂]-, (R)-[2- ² H ₁]- and (S)-[2- ² H ₁]-Propionate", J. Chem. Soc. Chem. Commun., 21: 1421-1423 (1984).
✓	C7	ASHWORTH, D.M., et al., "Selection of a Specifically Blocked Mutant of Streptomyces Cinnamomensis: Isolation and Synthesis of 26-Deoxymonensin A", J. Antibiot., 42: 1088-1099 (1989).

EXAMINER'S SIGNATURE		DATE CONSIDERED	4/14/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.

 INFORMATION DISCLOSURE STATEMENT	<i>Complete if known</i>	
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Examiner Name: Kathleen M. Kerr		Attorney Docket Number: 0380-P02746US0
SHEET 2 OF 2		

KK	C8	POSPISIL, S., et al., "3-O-Demethylmonensins A and B produced by Streptomyces Cinnamomensis", J. Antibiot., 40: 555-557 (1987).
	C9	HOLMES, D.S., et al., "27. Synthesis of putative intermediates on the monensin biosynthetic pathway and incorporation experiments with the monensin-producing organism", Helv. Chim. Acta, 73: 239-259 (1990).
	C10	WALBA, D.M., et al., "Total synthesis of ionophores. The monensin bc-rings via permanganate promoted stereospecific oxidative cyclization", Tetrahedron Lett., 21: 3531-3534 (1980).
	C11	TOWNSEND, C.A., et al., "Experiments and speculations on the role of oxidative cyclization chemistry in natural product biosynthesis", Tetrahedron, 47: 2591-2602 (1991).
	C12	WIETZORREK, A., et al., "A novel family of proteins that regulates antibiotic production in streptomycetes appears to contain an OmpR-like DNA-binding fold", Mol. Microbiol., 25: 1181-1184 (1997).
↓	C13	DONOVAN, M.J., et al., "Isolation of DNA involved in Monensin biosynthesis by Streptomyces cinnamomensis", Abstr. Annu. Meet. Am. Soc. Microbiol., 88 Meet., p. 261 (1988).
KK	C14	ARROWSMITH, T.J., et al., "Characterization of actI- homologous DNA encoding polyketide synthase genes from the monensin producer Streptomyces cinnamomensis." Molecular and General Genetics, 234: 254-264 (1992).
KK	C15	MALPARTIDA, F., et al., "Homology between Streptomyces genes coding for synthesis of different polyketides used to clone antibiotic biosynthetic genes", Nature, 325: 818-821 (1987).
↓	C16	HOPWOOD, D.A., et al., "Genetic contributions to understanding polyketide synthases", Chemical Reviews, 97: 2465-2497 (1997).
↓	C17	ZERBE-BURKHARDT, K., et al., "Cloning, sequencing, expression and insertional inactivation of the gene for the large subunit of the coenzyme B12-dependent isobutyryl-CoA mutase from Streptomyces cinnamomensis." Journal of Biological Chemistry, 273: 6508-6517 (1998).
KK	C18	ROWE, C.J., et al., "Construction of new vectors for high-level expression in actinomycetes", Gene, 216: 215-223 (1998).

EXAMINER'S SIGNATURE		DATE CONSIDERED	4/14/03
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